720 Indoor IP IR PT Dome with wifi

prefatory note

Thanks for choosing the network cameras of our company.

Ⅰ Requirements for products application environment

To ensure the safety of operation, achieve satisfied performance and prolong the working life, please consider the following factors when choose the installation environment.

1. Please check and make sure the power supply is matched with required standard, avoid of the damage as the power supply is not matched (Input voltage is DC 12V)

2. Don’t install the products in wet or rainy places.

3. Don’t install the products in strenuous vibration environment.

4. Don’t expose the products in direct sunlight, keep from the heat or high temperature environment.

5. Keep the ventilation is good, prevent the air-vent from be blocked.(Kindly

advise that the back panel should be kept from the objects or the wall about 15cm)

6. Don’t put any volatile corrosive chemicals in the installation environment.

7. Make sure the grounding is correct.

8. Make sure the connection with the other devices are correct when installation.

【Warm tip】There may be some differences from the real products, please subject to our available products. If any question when installation, please contact the provider.

Notice items

1. Don’t touch the power supply and device with wet hands.

2. Don’t splash water on the device, which could cause the short circuit even burnt to fire.

3. Don’t pileup anything on the device.

4.When the power supply cable is plugged in the socket, there is still electricity in the machine even though it’s off. It’d better to be disconnected with power.

※ Special tip ※

To help you to use the products effectively, the followings are factory default settings:

★ Network camera (IP is marked on the body of the camera)

IP address: 192.168.1.229

Subnet mask: 255.255.255.0

Username: admin

Password: admin

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1 Overview

1.1 Software Overview

The central management software could make the video monitoring, storage, data forward, management and control to all the network surveillance devices including DVS and IP cameras. It can manage up to 540 channels video at the same time, any channel of them could be set or updated by remote. The screen layout supports 1/4/9/16/25/36 channels live view in one single window. Also the user could operate the 2-way talk, e-map, log search, alarm control, remote search etc functions.

1.2 Main functions

- ◆ Manage up to 540 channels at the same time(15 Groups)
- ◆ Central monitoring, storage, data forward, management and control
- ◆ e-map

- Live view and loop monitoring
- Two way talk and broadcast
- Multi-way record (Pre-record, manual record, alarm record and schedule record)
- Support the research by channel, date and incident type.
- PTZ control
- Call the preset points by alarm linkage.
- Support multi-way alarm type(video lost, motion detection, probe linkage)
- Log management
- Snapshot
- DDNS
- PPPOE

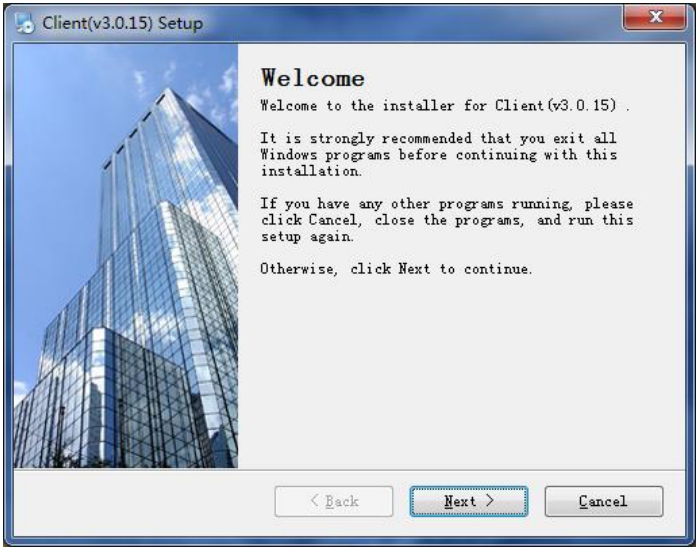
2 Software installation

2.1 How to achieve it

1 CD is coming with and packed in the package, read the CD by PC driver and install "Client(v3.0.15) setup.exe" in the appointed path of PC. Run it when the installation is compelted.

2.2 Installation

Double click the setup file "Client (v3.0.15) setup.exe", you could see the following window.


Client(v3.0.15) Setup
Welcome
Welcome to the installer for Client(v3.0.15) .
It is strongly recommended that you exit all Windows programs before continuing with this installation.
If you have any other programs running, please click Cancel, close the programs, and run this setup again.
Otherwise, click Next to continue.
< Back
Next >
Cancel

According to the wizards, Click 【Next】along the way till【Finish】 button，click【Finish】 to complete the installation. The default path is

"C:\Program Files\ Client (v3.0.15)"

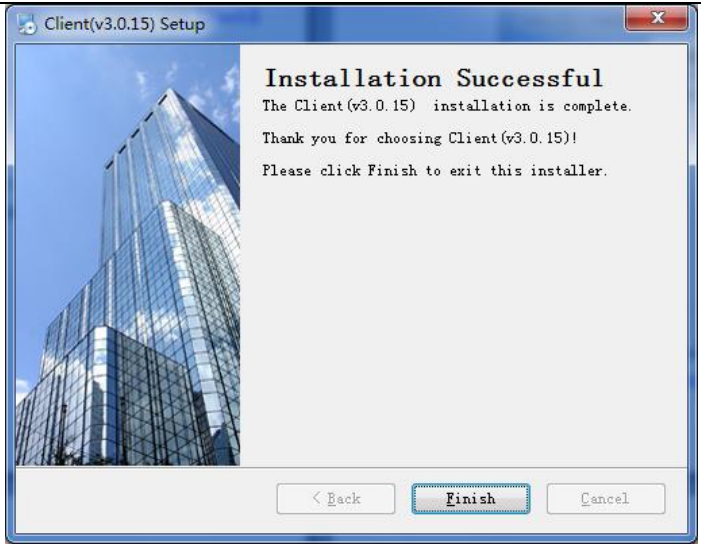
2.3 Uninstallation

There're two ways you could uninstall the software

◆ "In the "Start" menu, choose "Program" →"Client (v3.0.15)"→"Uninstall Client (v3.0.15)"

◆ "Client (v3.0.15)"。Open "Control Panel" window and delete the software in the list.

Please refer to the following window.

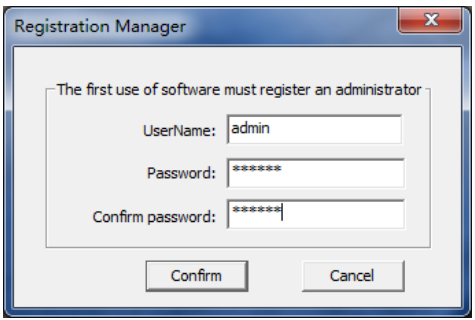


◆Click 【Next】along the way till【Finish】 button，click【Finish】

3 Software Operation

3.1 User login

The system will pop up the tip you to apply a username and password to start it at the first running. Like the following window.



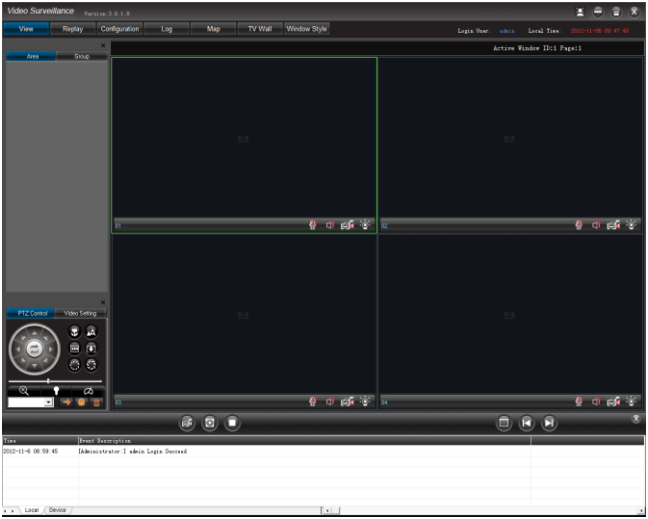
Notice: The username and password can't be with special character " ' \\/ : * ? \< > |", the password should not be less than 6 digits.

If the software has been registered with username, you could see the following directly

when run it. Choose the username and input the password to log in the software. Tick “Save password”, “Auto Login”, so you could skip this step in the following logins.

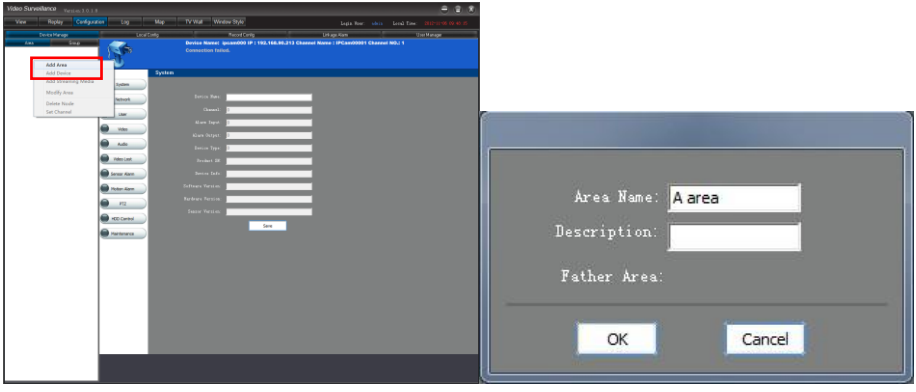
The operation menu is located at the top of the main interface, the left area is device list

and PTZ control panel, the bottom area is alarm information tips and quick play bar.



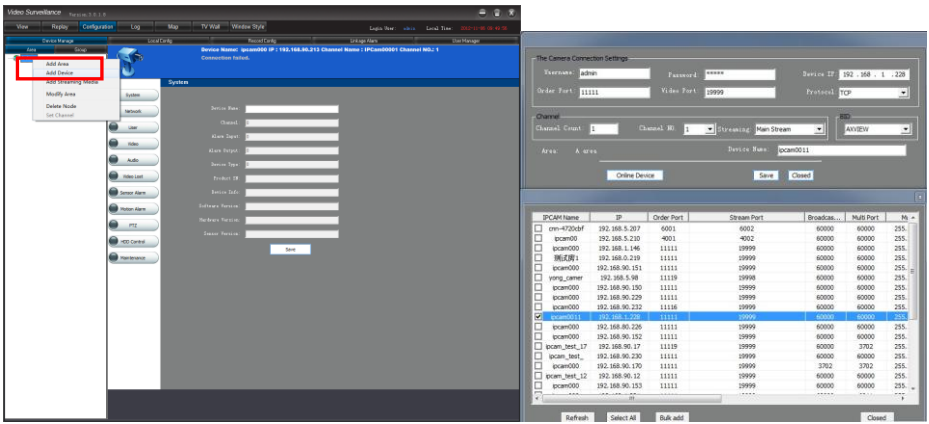
3.2 Add devices

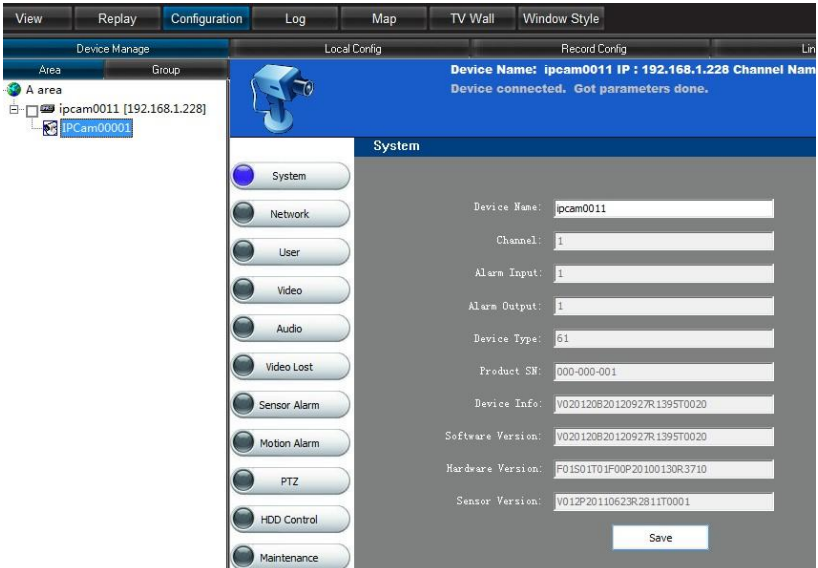
"Local setting"----" Device management"----" Area", Click right mouse button at the blank area, choose " Add area" and input the information matched, save it.



And then click right mouse button in "Area", choose " Add device" to see the following window. Click " Online equipment" to search the devices in the local network. Choose any

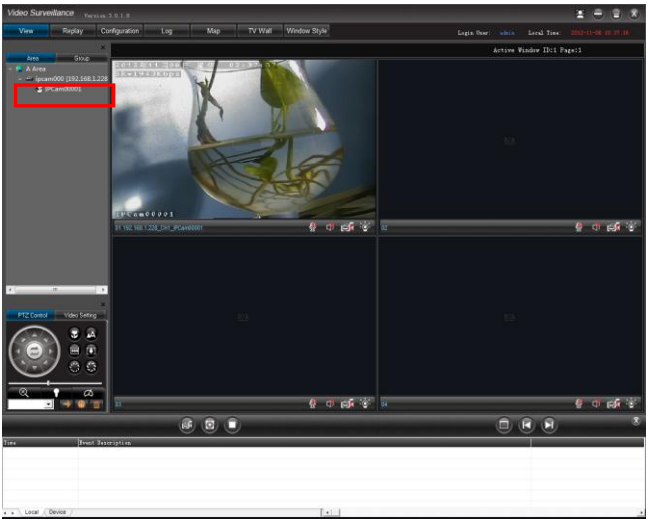
devices displayed and the parameters of it will be input automatically in the upper equipment information area. Click “Save” to complete it. The added device will be displayed is the left list.




View
Replay
Configuration
Log
Map
TV Wall
Window Style
Device Manage
Local Config
Record Config
Area
Group
A area
ipcam0011 [192.168.1.228]
IPCam00001
Device Name: ipcam0011 IP : 192.168.1.228 Channel Nam
Device connected. Got parameters done.
System
Network
User
Video
Audio
Video Lost
Sensor Alarm
Motion Alarm
PTZ
HDD Control
Maintenance
System
Device Name: ipcam0011
Channel: 1
Alarm Input: 1
Alarm Output: 1
Device Type: 61
Product SN: 000-000-001
Device Info: V020120B20120927R1395T0020
Software Version: V020120B20120927R1395T0020
Hardware Version: F01S01T01F00P20100130R3710
Sensor Version: V012P20110623R2811T0001
Save

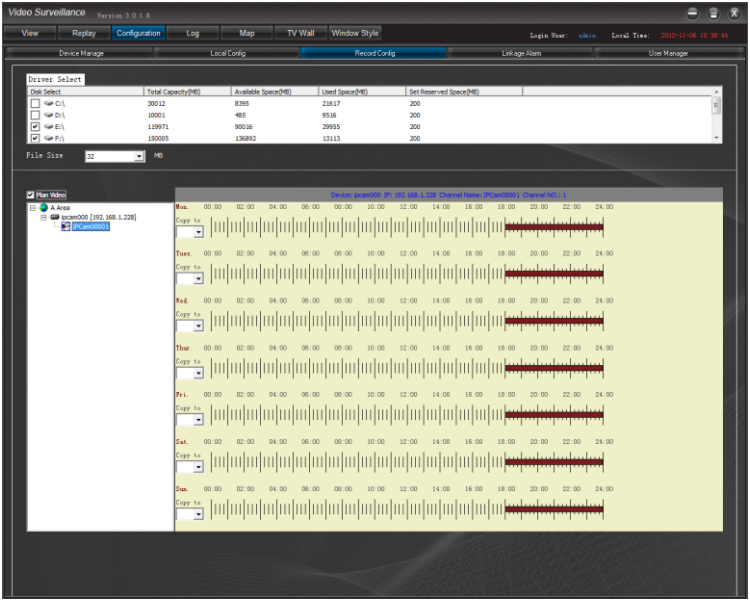
3.3 Preview

Choose “Preview” menu and drag the device to any window you want to make the preview.



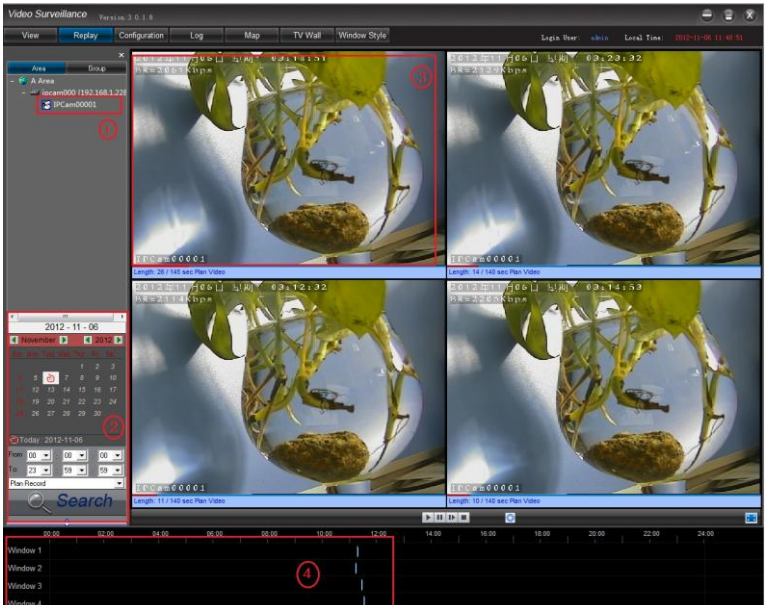
3.4 Record configuration

"Local setting"----"Record configuration". Choose the disk you need to make the video footage saved, the packing size for video clip. Choose the channels which need to make storage and draw the mouse to cross the time bar to set up the starting time and end time. After the settings, you could click to operate the recording.


Video Surveillance
Version:3.0.1.8
View
Replay
Configuration
Log
Map
TV Wall
Window Style
Login User: admin
Local Time: 2012-11-06 10:38:44
Device Manage
Local Config
Record Config
Linkage Alarm
User Manager
Driver Select
Disk Select
Total Capacity(MB)
Available Space(MB)
Used Space(MB)
Set Reserved Space(MB)
C:\ 30012 8395 21617 200
D:\ 10001 485 9516 200
E:\ 119971 90016 29955 200
F:\ 150005 136892 13113 200
File Size 32 MB
Plan Video
A Area
ipcam000 [192.168.1.228]
IPCam00001
Device: ipcam000 IP: 192.168.1.228 Channel Name: IPCam00001 Channel NO.: 1
Mon.
Tues.
Wed.
Thur.
Fri.
Sat.
Sun.
Copy to
00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00

3.5 Replay

In the “Replay” menu, choose a window to make the playback and the device, set the searc h date and type, click “search” to get the video clip. As well as the time bar at bottom will show the detailed time segment.


Video Surveillance
View
Replay
Configuration
Log
Map
TV Wall
Window Style
Area
Group
A Area
IPCam00001
2012 - 11 - 06
November
2012
Today: 2012-11-06
Search
Window 1
Window 2
Window 3
Window 4

4 IE Management Settings

4.1 Visit IP camera via IE

You need to install ActiveX Control when you visit IP Camera for the first time.

You can install ActiveX Control in two ways:

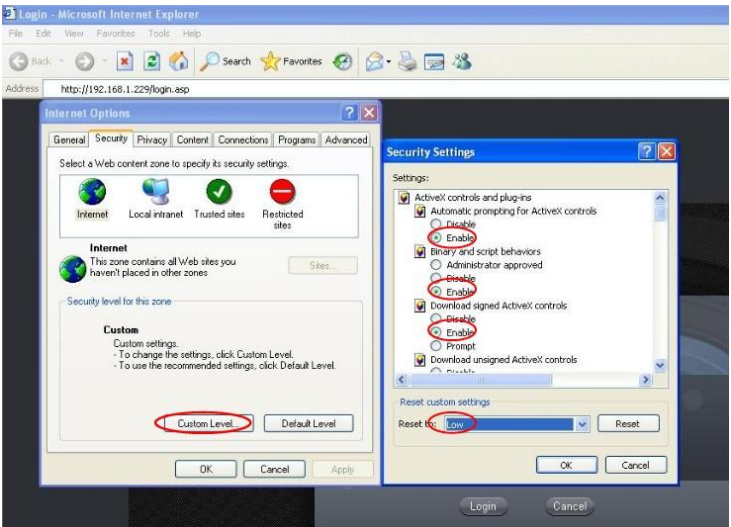
(1) Auto-Installation

You need to lower the security level of the IE temporarily in order to install ActiveX Control into your PC as follows:

- Choose Internet Option: 【tools】→【Internet Option】.
- Click the label of 【Security】 and your current security setting is displayed.
- Set the security level low and click 【apply】.
- Enter your IP Camera address in the IE address line (for example: hhdemo1.vicp.net). If you see a dialogue as follows【Do you want to install ActiveX Control】,Please click 【Yes】 and install ActiveX Control.
- Once finished installing your ActiveX Control, retrieve your security setup for default

value.

(2)Download the Active-X from login page：



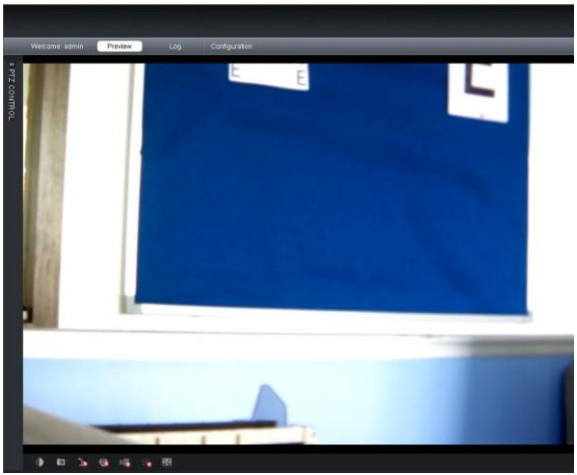
Input the IP address of the IP cam in IE browser, click 【Enter】to display the login page.

Click the 【Click to install Active-X】, will pop up the following dialog box. Click 【Run】to install it.

File Download - Security Warning
Do you want to run or save this file?
Name: HyActiveX.exe
Type: Application, 714 KB
From: 192.168.5.229
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?
Click To Install Active X

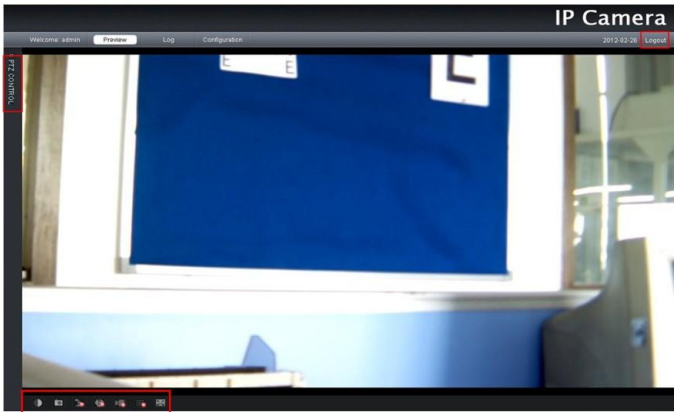
Log in and Preview:

Input User Name (Default: admin), Password (Default: admin). Click【login】to visit the main interface as follows.

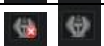
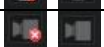


4.2 Main interface and functions

4.2.1 Main interface



Information in Preview page

Icon	Functions
	Log off the active user
	Video adjustment
	Real time snapshot
	On/Off Two way talk
	On/Off Monitoring
	On/Off Manual recording
	On/Off 3D positioning
	On/Off Full screen

Video Parameter settings

Icon	Functions
	Brightness
	Chroma
	Saturation
	Contrast
	Sharpness
	Blue
	Red
	Gamma

PTZ control

Click 【PTZ Control】and display this interface, click again to hide it.

There're 8 direction buttons to control the Pan/Tilt, drag the bar to adjust the running speed.

Click **to activate the auto-scanning, click again to stop it.**

Click the right side function buttons to operate Focus, Iris and Zoom.

Choose one Preset point and click **to call it. Click** **to set preset points and Click** **to delete them.**

4.2.2 Functions settings

Click Configuration to see the interface of functions settings.

Local settings：

【Protocol type】 TCP,UTP optional.

【Stream type】 Main stream, Sub stream.

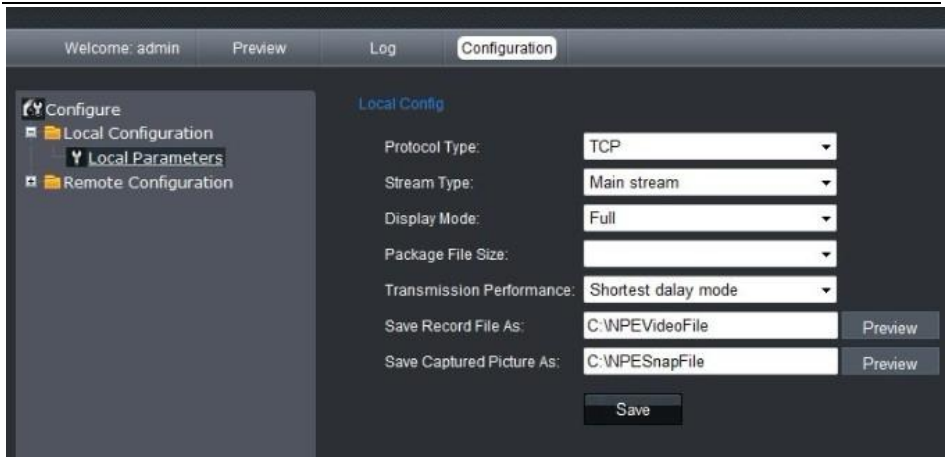
【Display mode】 Full screen, 4:3 ratio,16:9 ratio, adjustable to resolution.

【Package file size】 128M、256M、512M optional.

【Transmission performance】Shortest delay mode, Good real-time, Normal real-time and fluency, Good fluency.

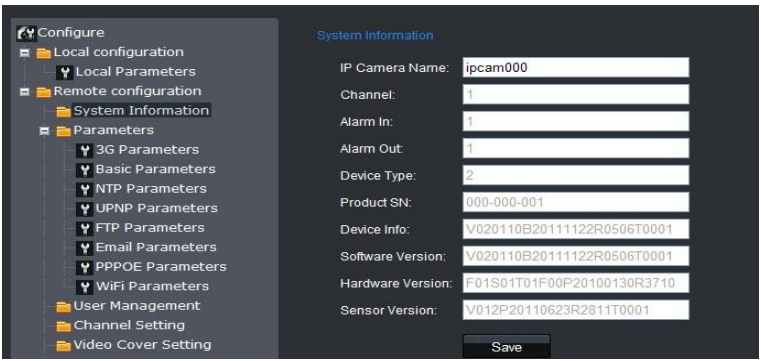
【Save record file as】 Could be set by manual.

【Save captured picture as】 Could be set by manual.


Welcome: admin
Preview
Log
Configuration
Configure
Local Configuration
Local Parameters
Remote Configuration
Local Config
Protocol Type:
TCP
Stream Type:
Main stream
Display Mode:
Full
Package File Size:
Transmission Performance:
Shortest dalay mode
Save Record File As:
C:\NPEVideoFile
Preview
Save Captured Picture As:
C:\NPESnapFile
Preview
Save

System information：

Under this, the users could set the 【IP Camera Name】, and check out the information about 【Channel】, 【Alarm in】, 【Alarm out】, 【Device type】, 【Product SN】, 【Device info】, 【Software version】, 【Hardware version】and 【Sensor version】.



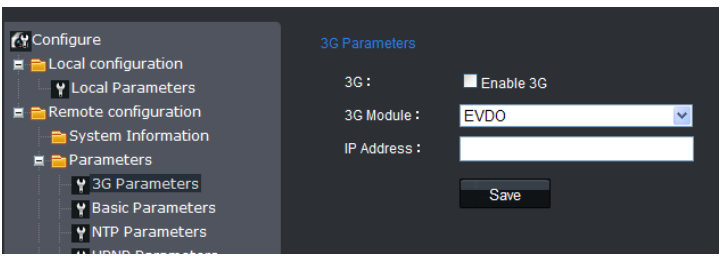
Network Parameters

3G parameters:

Click here to activate 3G communication.

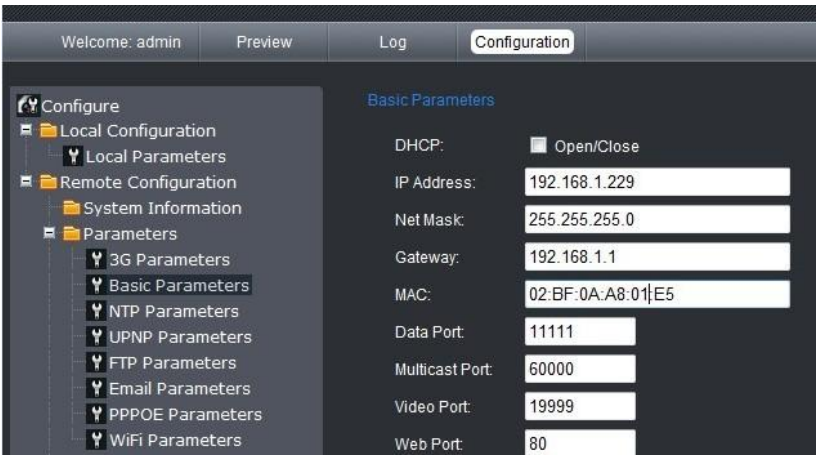
EVDO, WCDMA modules are supported

If uses EVDO, the IP address bar will show the WAN IP address, for example, 116.204.xxx.xxx, this device could be visited directly with it in IE browser; If uses WCDMA, the IP address bar will show the LAN IP address, for example, 192.168.xxx.xxx, the device should be working together with NVR.



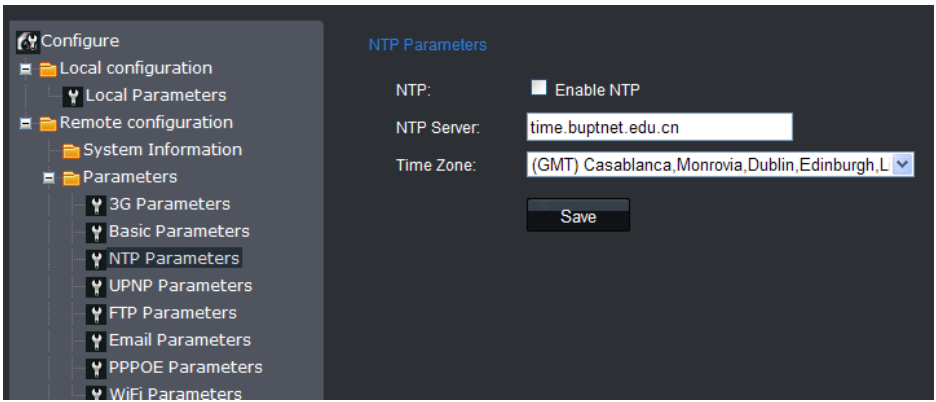
Basic parameters:

The user could set the 【IP address】, 【Subnet mask】, 【Gateway】and 【DNS adress】 etc.



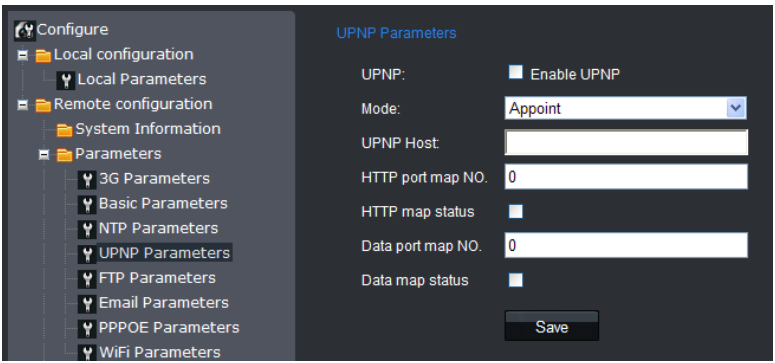
NTP parameters:

Click Enable NTP to activate network time protocol function，the default NTP server address is time.buptnet.edu.cn, the user could choose the local server to sync the time.



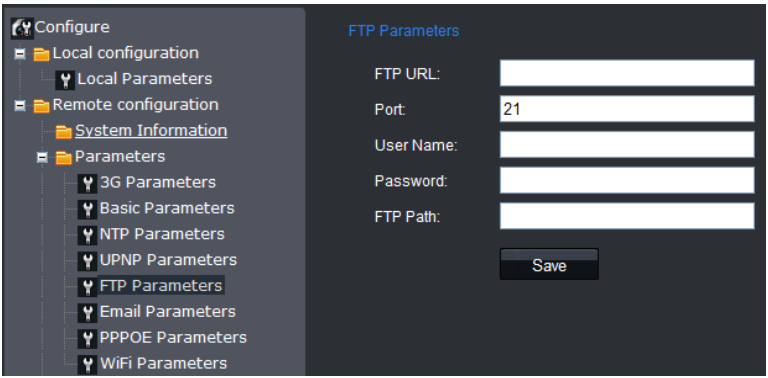
UPnP parameters:

Click Enable UPNP to activate Universal Plug-n-Play function, Appoint and Auto mode are optional. Under Appoint mode, input the IP address to make the mapppig of network.



FTP parameters:

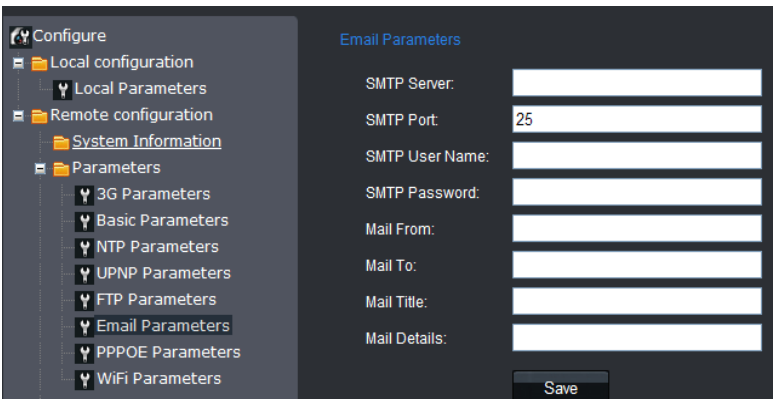
Input the information of 【FTP URL】, 【Port】, 【User name】, 【Password】, 【FTP Path】 and save the settings.



E-mail parameters:

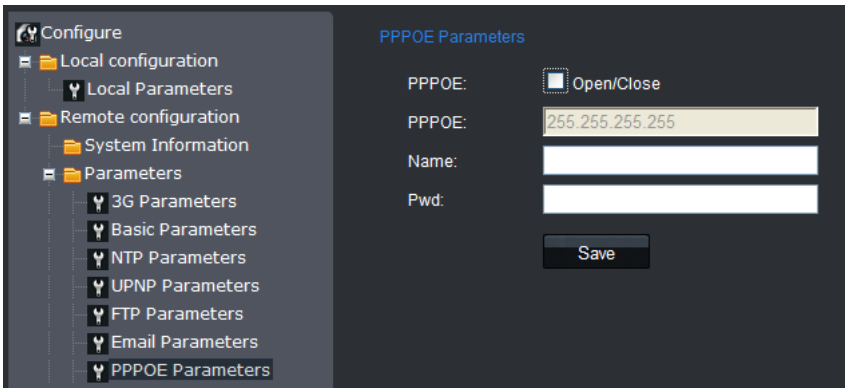
When alarm triggered, the message will sent by e-mail to the appointed address.

Input the information of 【SMTP server】, 【SMTP port】, 【SMTP username】, 【SMTP password】and the address of sent and received, save the settings.

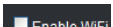


PPPoE：

Click Open/Close to activate PPPoE function. Input the information of 【PPPoE address】, 【Name】and 【Pwd】and save the settings, the device will restart and obtain a WAN IP address.

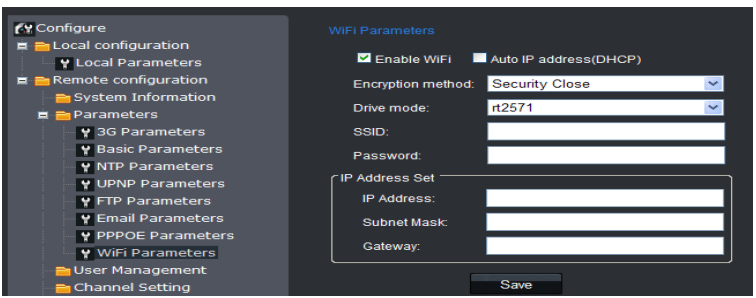


Wi-Fi parameters:

Click 

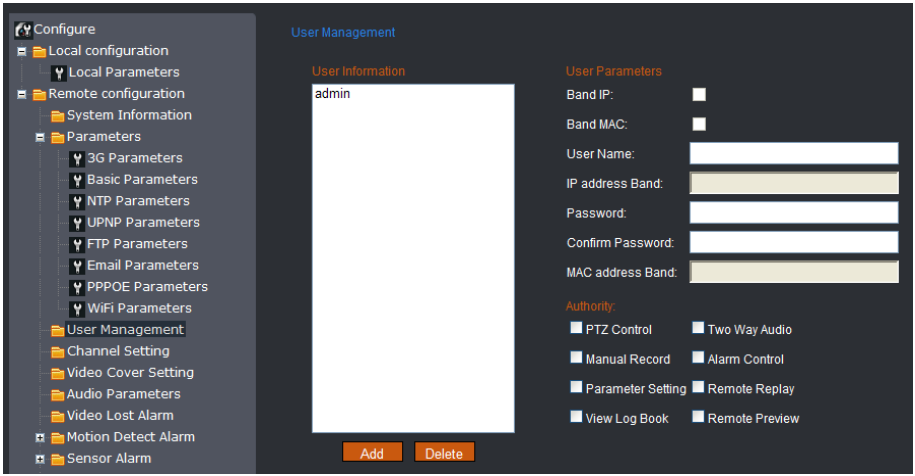
to activate the Wi-Fi function. Input the information of【SSID】, 【Password】of Wi-Fi router, and then input the self-defined 【IP address】, 【Subnet mask】, 【Gateway】, save the settings.

Tip： The IP address here should be in the same network segment with Wi-Fi router. If use DHCP serve, please choose 【Auto IP address(DHCP)】.



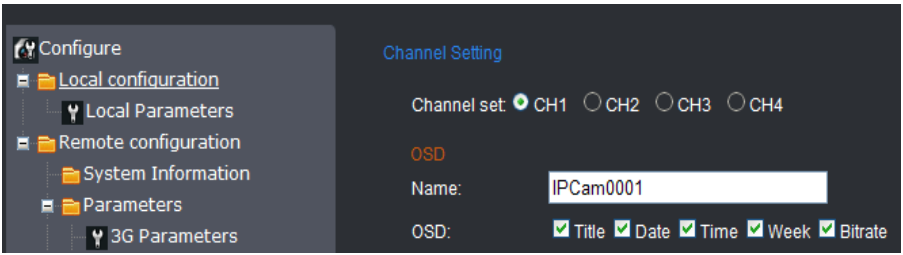
User Management：

If the active user is “admin”, it could add new users with different operation authority.



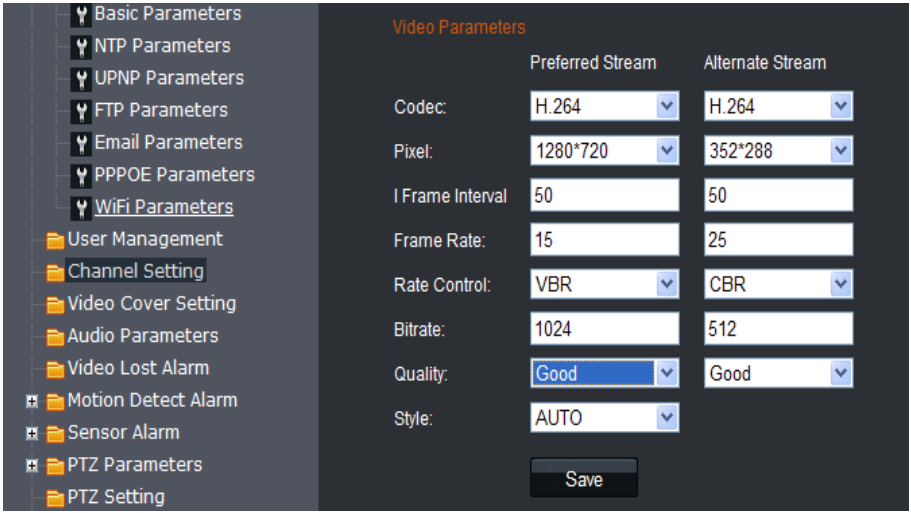
Channel Setting：

Input the self-defined name in【OSD name】, choose the【Title】,【Date】,【Time】,【Week】, 【Bit rate】to display the related information on screen.



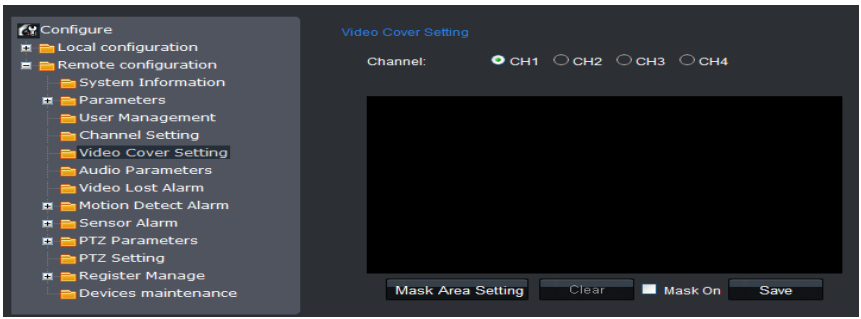
Video parameters:

Parameter	Main Stream	Sub Stream
Codec	H.264&MJPEJ	H.264&MJPEJ
Resolution	800X600,1280X720,1280X960,1600X1200	176X144,352X288,704X288
I Frame Interval	50	50
Frame rate	25	25
Rate control	CBR&VBR	CBR&VBR
Bit rate	2148	512
Image quality	Best,Better,Good,Standard,Sub-standard,General	Best,Better,Good,Standard,Sub-standard,General
Style	AUTO	


Basic Parameters
NTP Parameters
UPNP Parameters
FTP Parameters
Email Parameters
PPPOE Parameters
WiFi Parameters
User Management
Channel Setting
Video Cover Setting
Audio Parameters
Video Lost Alarm
Motion Detect Alarm
Sensor Alarm
PTZ Parameters
PTZ Setting
Video Parameters
Preferred Stream
Alternate Stream
Codec:
H.264
H.264
Pixel:
1280*720
352*288
I Frame Interval
50
50
Frame Rate:
15
25
Rate Control:
VBR
CBR
Bitrate:
1024
512
Quality:
Good
Good
Style:
AUTO
Save

Video Cover Settings:

Click Mask On to activate the privacy mask function. Drag your mouse in the video area and loose it to finish the drawing, save the settings to obtain the privacy mask. Multi area mask are supported.

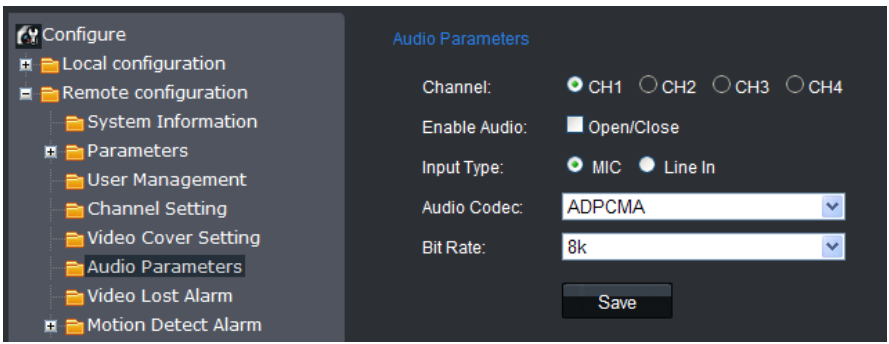


Audio parameters:

Click Open/Close to activate the audio function. Choose the proper parameters from 【Input type】, 【Audio codec】and 【Bit rate】

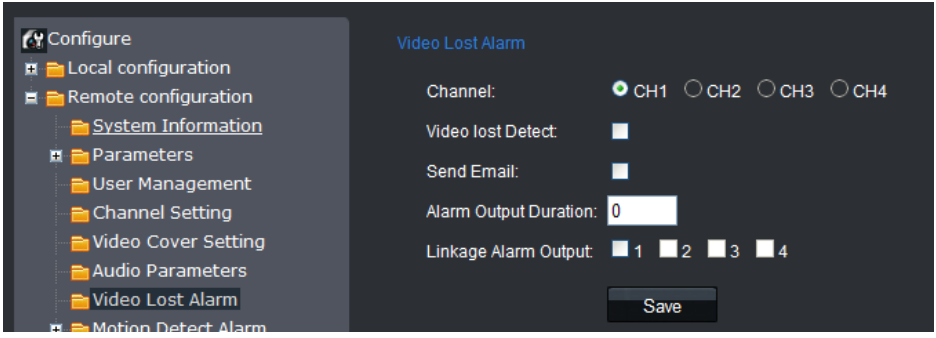
【Audio codec】ADPCMA,G711A,G711U,G726,AMR,AAC optional.

【Bit rate】8k,11.025k,16k,22.05k,24k,32k,44.1k,48k optional.



Video lost alarm:

Click 【Video loss detect】and 【Send e-mail】to activate the video loss alarm function, the message will sent by e-mail to the appointed e-mail address. Input the alarm clear time in 【Alarm output duration】, the alarm will be cleared automatically in the appointed time. Choose the channels in 【Linkage alarm output】to decide the alarm output channel.

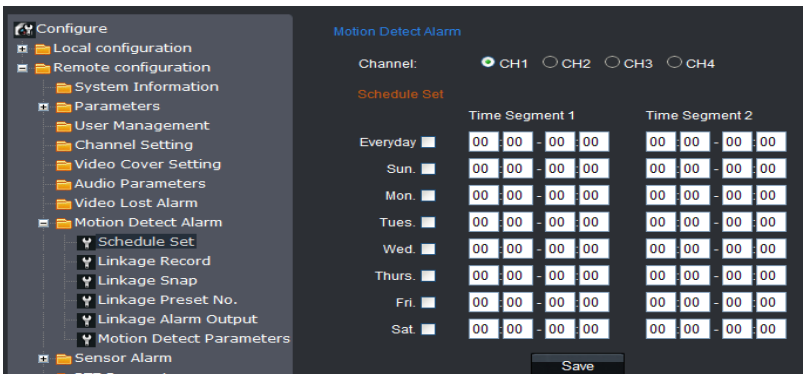


Motion Detect Alarm:

Schedule set

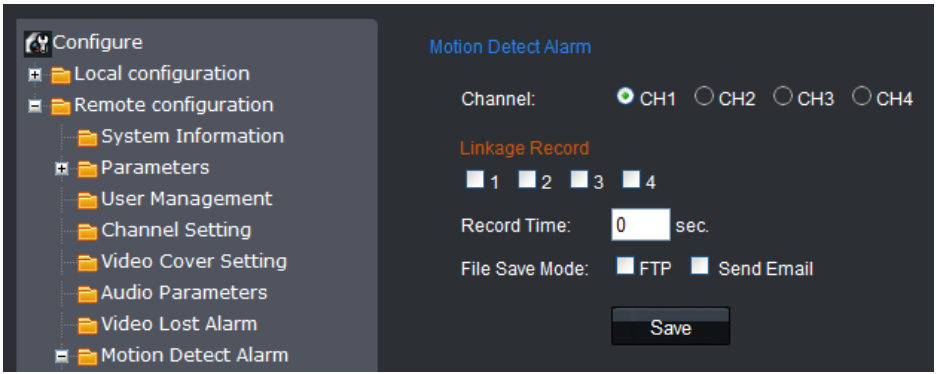
Choose 【Everyday】to make the alarm in the whole week, or choose the appointed days to make the alarm.

Tip：Time Segment 1 and Time Segment 2 can not be set crossed.



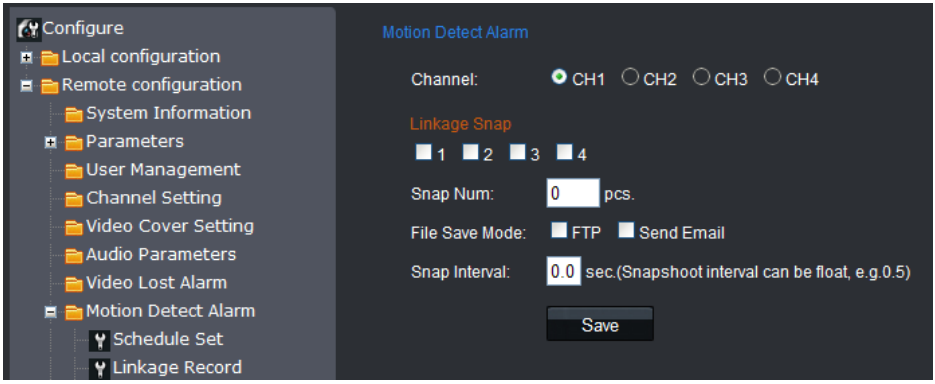
Linkage record:

Choose the channel which needs to be linkaged, input the recording time and set the file save mode.



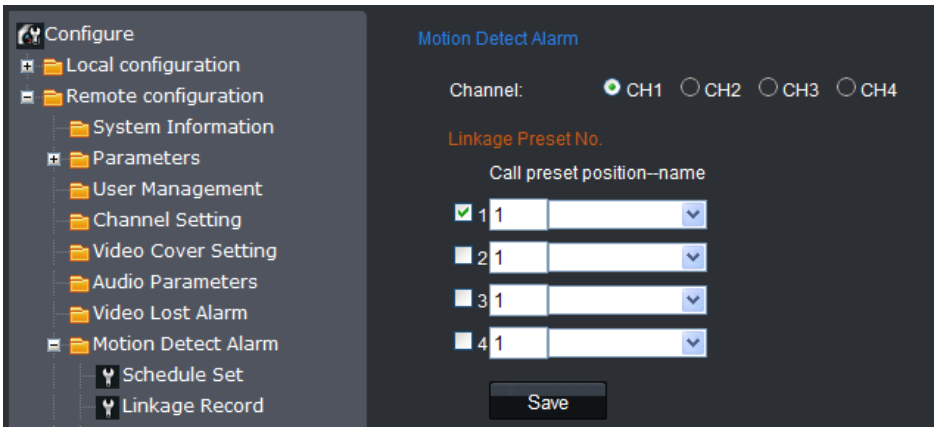
Linkage snap:

Choose the channel which needs to be linkaged, input the snapshot numbers and interval, set the file save mode.



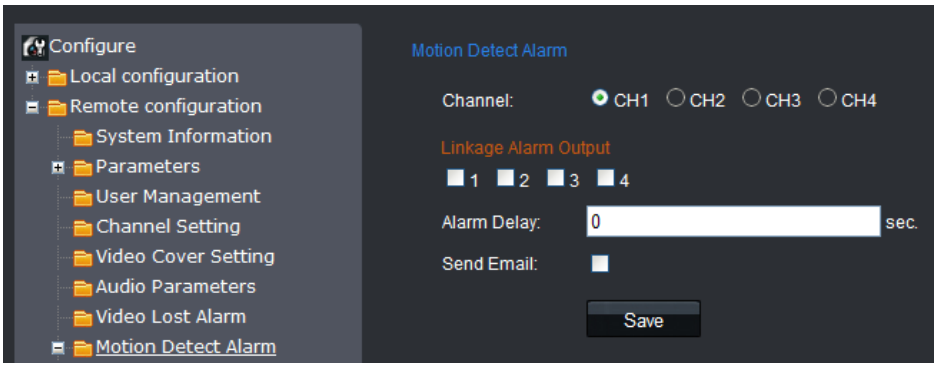
Linkage preset No：

Choose Channel and preset number which needs to be linkaged.



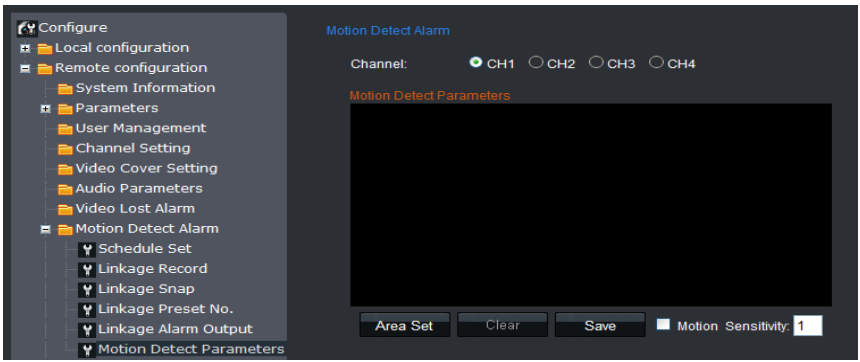
Linkage alarm output:

Choose Channel which needs to be linkaged and input the alarm output duration time, click Send Email: ☐ and save it. The message will be sent by e-mail to the appointed e-mail address.



Motion detect parameters:

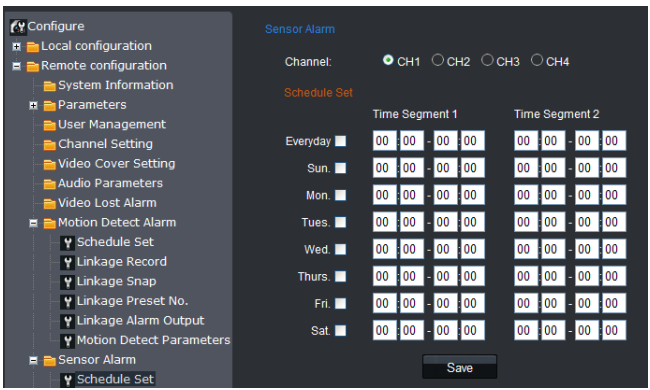
Click Motion to activate the motion detection function. Drag your mouse in the video area and loose it to finish the drawing, save the settings to obtain the motion detection for the appointed area. Multi area mask are supported. The sensitivity degree is adjustable from 1-99.



Sensor Alarm:

Choose 【Everyday】to make the alarm in the whole week, or choose the appointed days to make the alarm.

Tip：Time Segment 1 and Time Segment 2 can not be set crossed.

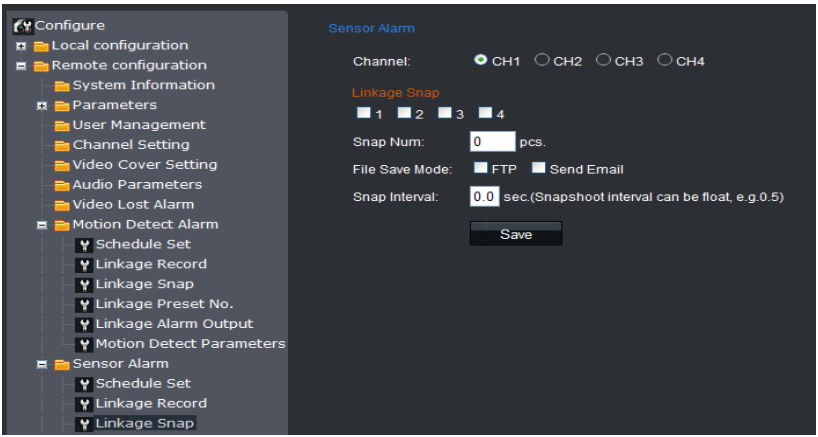


Linkage record:

Choose the channel which needs to be linkaged, input the recording time and set the file save mode.

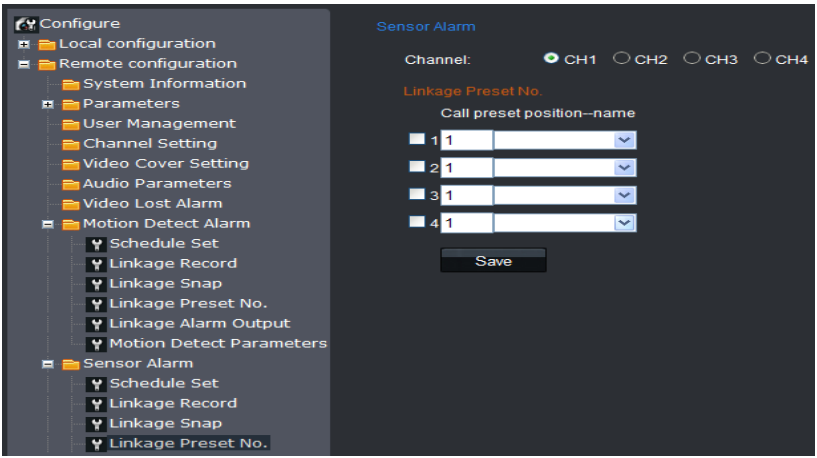
Linkage Snap:

Choose the channel which needs to be linkaged, input the snapshot numbers and interval, set the file save mode.



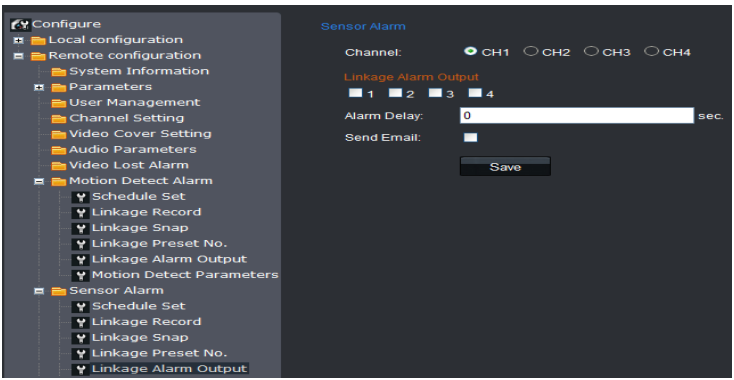
Linkage preset No:

Choose Channel and preset number which needs to be linkaged.

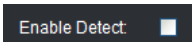


Linkage alarm output:

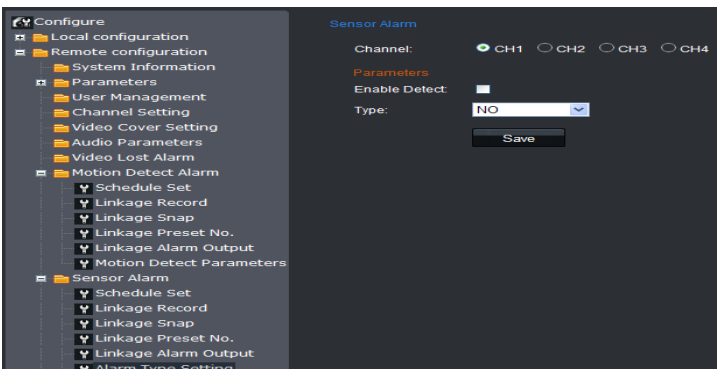
Choose Channel which needs to be linkaged and input the alarm output duration time, click Send Email: ☐ and save it. The message will be sent by e-mail to the appointed e-mail address.



Alarm type setting:

Click 

to activate senor alarm function, choose the senor type NO or NC and save the settings.



PTZ parameters:

COM setting

【COM】COM1 (Default)

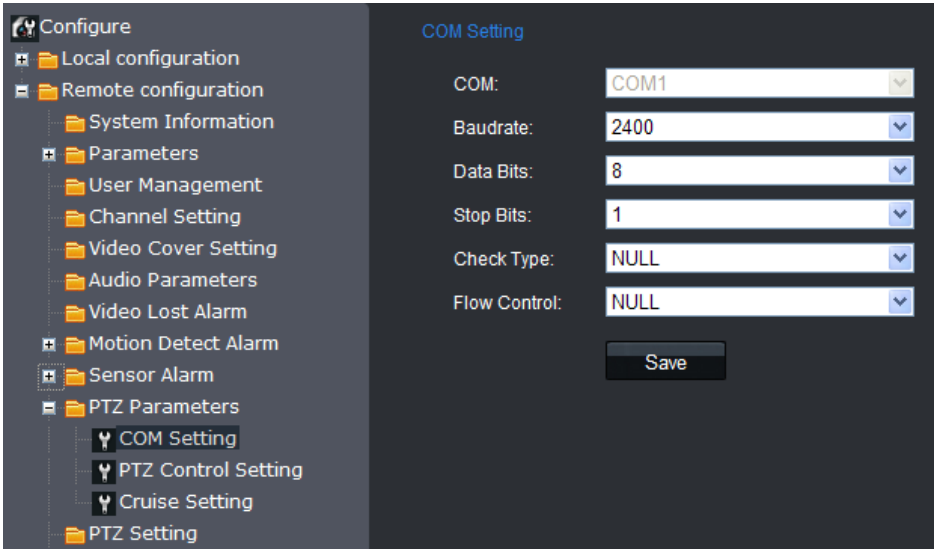
【Baud rate】300,600,1200,2400,4800,9600,19200,38400,57600,115200,230400 optional.

【Data bits】5,6,7,8 optional.

【Stop bits】1,2optional.

【Check type】Odd, Even, Null optional.

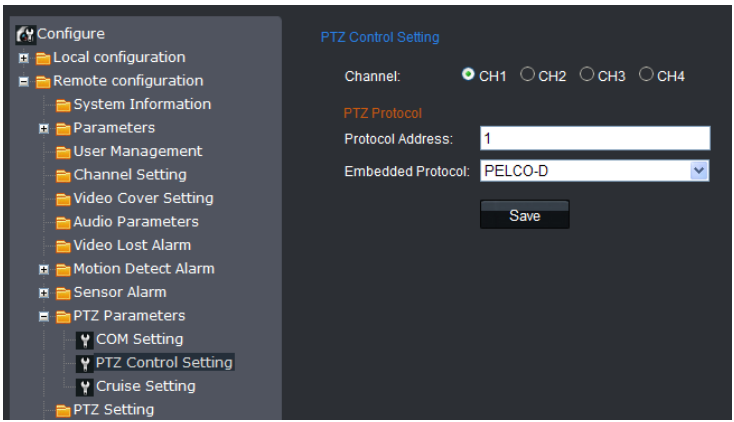
【Flow control】Hardware, Software, Null optional.


Configure
Local configuration
Remote configuration
System Information
Parameters
User Management
Channel Setting
Video Cover Setting
Audio Parameters
Video Lost Alarm
Motion Detect Alarm
Sensor Alarm
PTZ Parameters
COM Setting
PTZ Control Setting
Cruise Setting
PTZ Setting
COM Setting
COM:
COM1
Baudrate:
2400
Data Bits:
8
Stop Bits:
1
Check Type:
NULL
Flow Control:
NULL
Save

PTZ control setting:

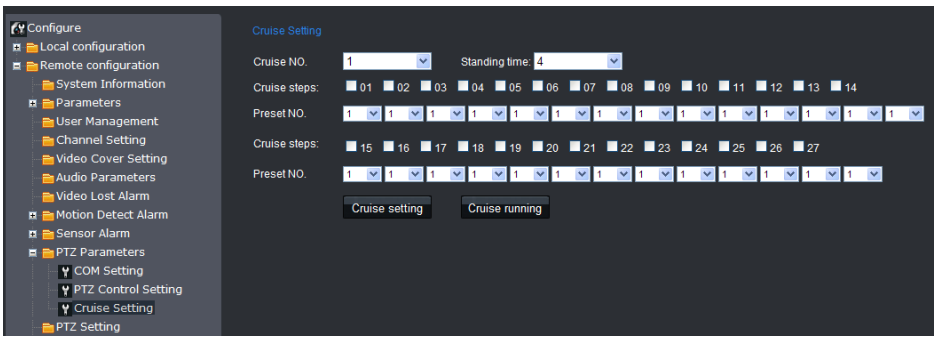
Input the protocol address and choose the protocol in 【Embedded protocol】, save the settings.

Tip: The settings should be same with decoder settings of P/T.



Cruise setting:

If the user has set more than 2 preset points, it could set 1 group of cruise scanning including the preset points. Choose the cruise No., Preset points No.,Cruise steps and input the standing time at each point. Click Cruise setting to save the settings. Click Cruise running to call the cruise scanning.



PTZ setting:

【Config 1】Default setting

【Config 2】

Auto Zoom recovery time：0-255sec optional

Auto Iris recovery time：0-255sec optional

Auto shutter speed：On/Off optional

Shutter time：1/30, 1/15, 1/8, 1/4sec optional

Image frozen：On/Off optional

Digital zoom：On/Off optional

Zoom speed：On/Off optional

Wide Dynamic：On/Off/Manual optional, manual wide dynamic range is 1-128

BLC：On/Off optional，the setting range is 1-255

Auto white balance：On/off optional

Red gain：The setting range is 1-255

Green gain：The setting range is 1-255

Day/Night： Automatic, Black and white, Color optional

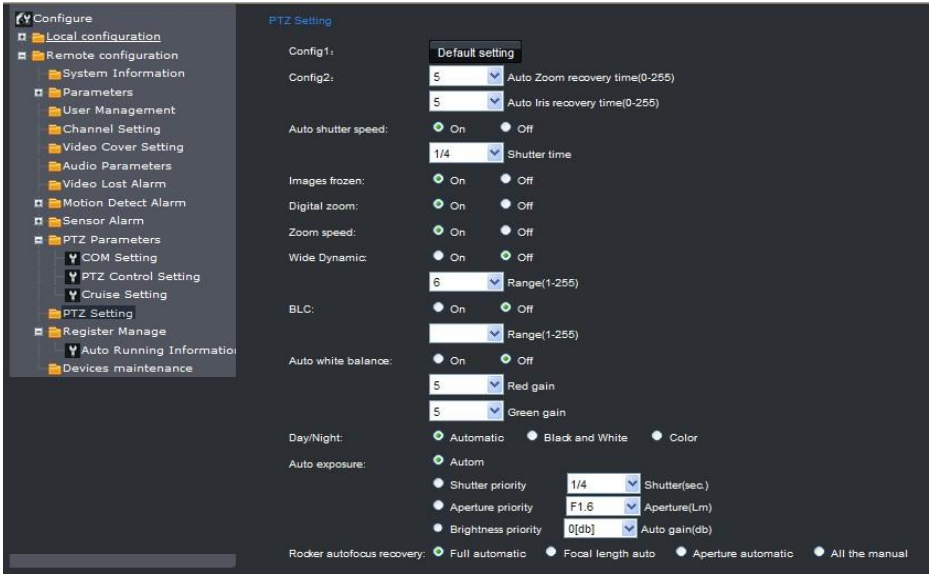
Auto exposure：Automatic;

Shutter priority: 1/4, 1/8, 1/15, 1/30, 1/50, 1/60, 1/100 , 1/120 , 1/180, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 optional;

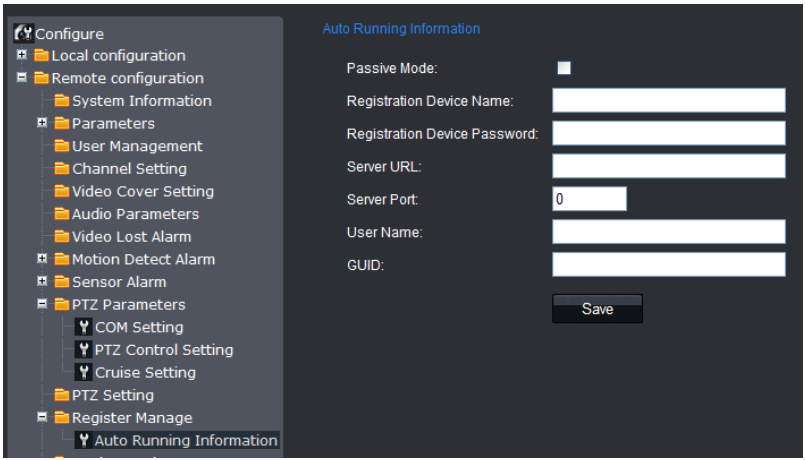
Aperture priority：F1.6, F2.2 , F3.2 , F4.4, F6.4, F8.8, F12, F17, F24, F34 optional;

Brightness priority：0[db]、6[db]、12[db]、18[db]、24[db]、30[db] optional

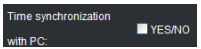
Joystick auto-focus recovery: All automatic, Auto focus, Auto aperture, All manual.


Configure
Local configuration
Remote configuration
System Information
Parameters
User Management
Channel Setting
Video Cover Setting
Audio Parameters
Video Lost Alarm
Motion Detect Alarm
Sensor Alarm
PTZ Parameters
COM Setting
PTZ Control Setting
Cruise Setting
PTZ Setting
Register Manage
Auto Running Informatio
Devices maintenance
PTZ Setting
Config1:
Default setting
Config2:
5
Auto Zoom recovery time(0-255)
5
Auto Iris recovery time(0-255)
Auto shutter speed:
On
Off
1/4
Shutter time
Images frozen:
On
Off
Digital zoom:
On
Off
Zoom speed:
On
Off
Wide Dynamic:
On
Off
6
Range(1-255)
BLC:
On
Off
Range(1-255)
Auto white balance:
On
Off
5
Red gain
5
Green gain
Day/Night:
Automatic
Black and White
Color
Auto exposure:
Autom
Shutter priority
1/4
Shutter(sec.)
Aperture priority
F1.6
Aperture(Lm)
Brightness priority
0[db]
Auto gain(db)
Rocker autofocus recovery:
Full automatic
Focal length auto
Aperture automatic
All the manual

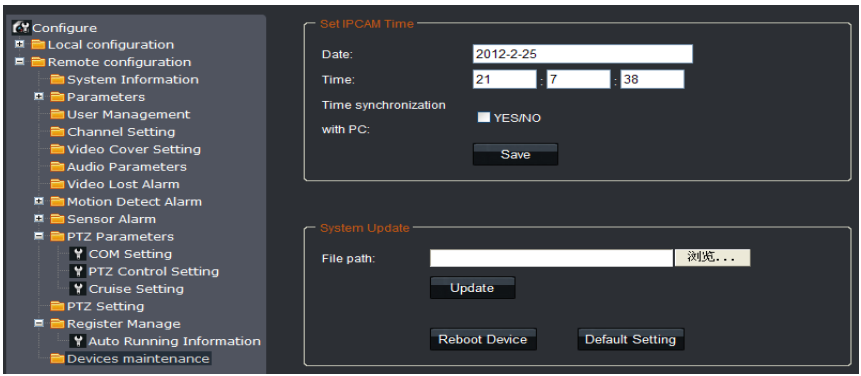
Registration Management: This function should work with NVR.



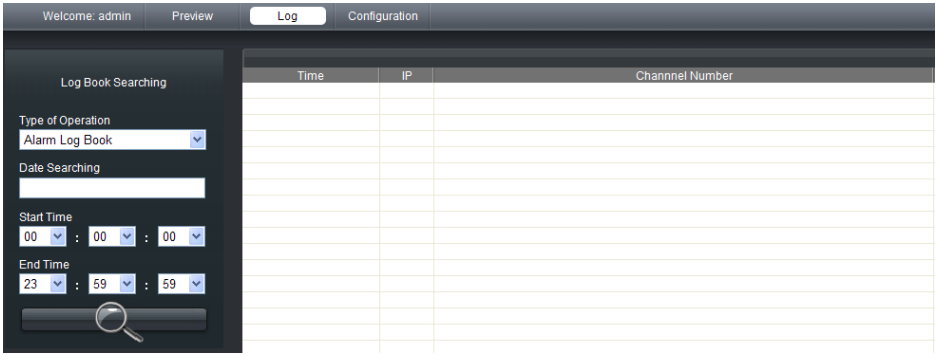
Devices maintenance:

Click 

to sync the time with PC. Click 【Browse】to find the updated firmware, and then click 【Update】to start the operation. Click 【Reboot Device】to finish it.



Log： Choose 【Operation】or 【Alarm】in type of operation, set the date and Start/End time to search the related logs.



Appendix A FAQ

Factory default parameters

IP Address: 192.168.1.229

Administrator Name：admin

Password: admin

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

Web Port: 80

DHCP: OFF

DDNS： OFF

Forget Password

Answer:【RESET】on the IP Camera back, press it to retrieve all parameter to default (Factory Setting).

Note：please don't press 【RESET】if you are not professional.

What shall I do if IP Camera can't restart after it is upgraded abnormally or power

interrupted?

Answer: Firstly, press the RESET on the IP Camera back panel, plug in the IP Camera and unloose the RESET. After 12 seconds, the system will run backup programs. (The backup programs include upgrading and parameter settings. The functions of video & audio are not available). After re-upgrade the system programs, IP Camera will restart normally.

No ActiveX in IE Browser

Reason： uninstall ActiveX.

Answer： You need to install ActiveX Control when you visit IP Camera for the first time.

You can install ActiveX Control in two ways:

(1) Auto-Installation

You need to lower the security level of the IE temporarily in order to install ActiveX Control into your PC as follows:

- Choose Internet Option: 【tools】→【Internet Option】.
- Click the label of 【Security】 and your current security setting is displayed.

- Set the security level low and click 【apply】.
- Enter your IP Camera address in the IE address line (for example: hhdemo1.vicp.net). If you see a dialogue as follows【Do you want to install ActiveX Control】,Please click 【Yes】 and install ActiveX Control.
- Once finished installing your ActiveX Control, retrieve your security setup for default value.

⚠ **Why fail to logon to IP Camera after upgrade through IE Browser?**

(2) Download Installation

Download ActiveX Control compressed package from the IP Camera address. Then close the IE browser.

Answer: Delete the caching of Browser. Operation: find the tool of browser---Internet options---Internet temporary file---click "delete file" button，choose the option" delete all offline contents". Confirm and restart to logon IP Camera.

⚠ **Can't visit IP Camera via IE browser?**

Reason 1: Internet offline.

Answer: If it is an error of network connection, do the following steps: Connect PC to

network to test whether they work normally or not.

Reason 2: IP Address was taken by other device.

Answer: Cut off the connection of IP Camera and network, connect IP Camera and PC, then set IP address again according to recommendatory operation.

Reason 3:IP address lies in different subnet?

Answer: Check the IP and subnet mask, test the settings of gateway.

Reason 4: The physical address of network conflict with IP Camera?

Answer: please modify the physical address of IP Camera.

Reason 5: The web port is modified by others?

Answer: please contact administrators of networks to obtain relevant port information.

Reason 6: When the causes can not found。

Answer: please restore IP Camera to default state, and connect IP Camera. (System default IP address: 192.168.1.229, mask address: 255.255.255.0).

Speaker without sound

Reason 1: Without connecting Audio input.

Answer: Checking the Audio connection.

Reason 2: Without choosing the option of Audio in IP Camera.

Answer: Checking the Audio parameter of IP Camera, choosing the option of Audio.

⚠ **The effect of the audio is not good.**

Reason: When there are much noises for the Audio and the distortion is very serious, please check the input signal level, if it is not lineate input, the signal level is not matching with the signal level of IP Camera. And it results in the saturation distortion.

Answer: please adopt the properly lineate input accord with the IP Camera.

⚠ **Why the data can't access to switch?**

Reason:

1. If it is the second class switch, the address is wrong.
2. If it is the third class switch, please bind the port and physical address.
3. Didn't consider the server when config the firewall.

Please check the internet connection with ping command. It must be the internet problem if the ping command can't connect. Please add new binding between IP address of IP Camera and Mac address in the switch if IP address bind Mac address. Refer to the Port of IP Camera to config the switch if it didn't consider the server when the switch configed firewall.

How to transmit the Audio and Video service in the internet for IP Camera?

Please confirm the method of internet connection: If the internet is the static IP address, set the IP address ,subnet mask and gateway for server same

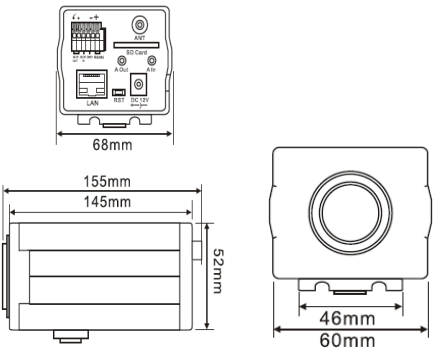
as the static address provided by ISP; If the internet is ADSL or Broad Band, It needs to be authorized. It can be authorized by some intelligent device, for example: PC or small Router. If it is interior of the LAN, there is a public IP address. But it can't be found in exterior of the internet, in this case, the connecting server need to be set.

Answer 1: Using in the office or building. Meanwhile user want to visit the IP Camera in other city, in this situation, it can do a transmission to the device connected with Internet. It can be finished by Port mapping. The popular port mapping software like Port map, tunnel, user can set it, selecting all IP addresses, then fill in the final IP address with the interior address of IP Camera in LAN.

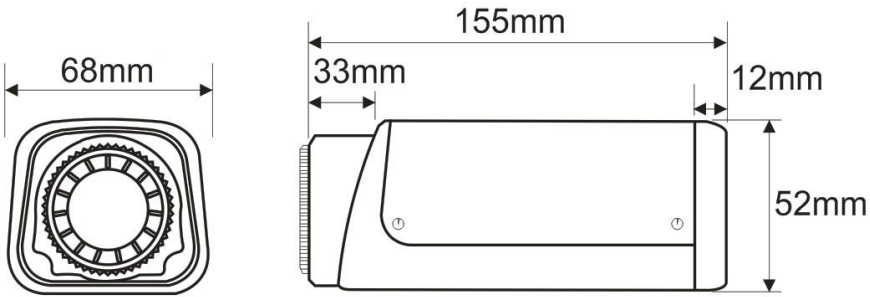
Answer 2: It is a good way to select the Router as the transmitting device if there is no PC. Now most of Router have the port map function, designate the DMZ address as the address of IP Camera.

Appendix B Specifications

Ⅰ Box camera dimension:



box camera dimension（1）



Box camera dimension（2）

Box camera specification:

type	1080P	960P	720P
Image sensor	1/3” Progressive scan CMOS		
Mini. illumination	0.01Lux(F1.2,AGC ON)	0.1Lux(F1.2,AGC ON)	1Lux(F1.2,AGC ON)
WDR	——	120dB	——
AGC	AUTO		ON/OFF
S/N	≥52dB		
White balance	AUTO		ON/OFF
Electronic shutter	1/50～1/100,000s		ON/OFF
Synchronous	internal		——
Day/night switch	auto/color/B/W/external control		——

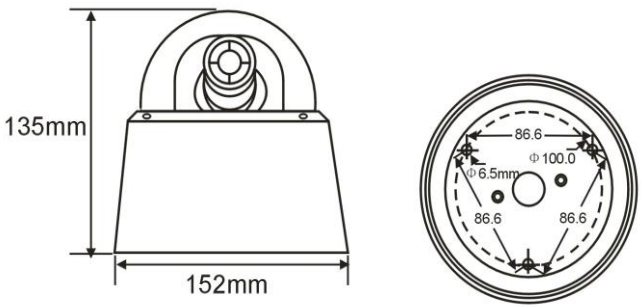
Video compression	H.264，MJPEG		
resolution	25 fps (1920×1080)	25fps (1280 ×960), 25fps (1280 × 720)	15fps (1600 ×1200), 25 fps (1280×720), 25 fps (800×600)
Video compression bit rate	32Kbps-8Mbps		
Audio compression	ADPCM、G711A、G711V、G726、AMR、AAC		
Audio sampling rate	8K、16Koptional		
Video adjustment	brightness、chroma、saturation、contrast、acutance adjusted via CMS software or IE web		
Network Protocol	TCP/IP、HTTP、DHCP、DDNS、PPPOE、FTP、SMTP、NTP、additive RTP/RTSP		
Security	User's name and password, MAC and IP binding		
Users authiorization	PTZ control、two way audio、manual recording、alarm control、parameter setting、network preview、process playback、journal review		
Users capacity	Support 10 users，2ch video preview simultaneously		

OSD	Display time,week,date,bit-rate,title
Privacy mask	4 areas max, black area displaying
Dual-stream	Different resolution and frame between main stream and substream
Audio	Support audio out and in
Video loss alarm	Alarm motion output, send e-mail
Motion detection	20 areas，sensitivity：0-9 degree selectable
Motion detection linkage	Alarm motion output, PC incident, recording, snap, FTP upload ,send email , e-map
Probe alarm	ON/OFF
Probe alarm linkage	Alarm motion output, PC incident、 recording、snap、FTP upload ,send email , e-map
PTZ protocol	PELCO-D、PELCO-P
Storage	Support SD card, MAX 32G，timing recording, alarm recording, alarm snapshot

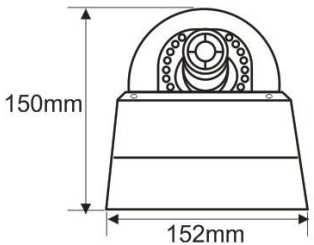
Universal function	Support PC time synchronization、remote upgrading、remote restart、remote reset and log book review
Alarm input	1channel
Alarm output	1channel
Audio input	1channel
Audio output	1channel
COM Port	1 RJ45 10M/100M ethernet
485 port	1
Power port	1
Reset port	1
Expanded function	WIFI、3G
Power supply	DC12V；AC24V；POE

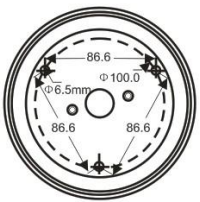
Power consumption		<8W
Working temp		-10℃～+55℃
Working humidity		90%RH
System requirement		Operate system：Microsoft Windows XP Windows 7 Ultimate Edition / Professional；Windows 2003 Professional Edition/Enterprise Edition IE: Microsoft Internet Explorer 6.0、8.0
Box camera	weight	Net weight：0.5KG、gross weight：0.7KG。
	dimension	package：20CM(L)x11CM((W)x10CM(H). 40pcs/box

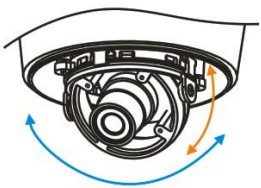
Ⅱ Dome camera dimension:



Vandal proof dome camera dimension







IR dome dimension

Dome and IR dome specification:

type	1080P	960P	720P
Image sensor	1/3” Progressive scan CMOS		
Mini. illumination	0.01Lux(F1.2,AGC ON)	0.1Lux(F1.2,AGC ON)	1Lux(F1.2,AGC ON)
WDR	——	120dB	——
AGC	AUTO		ON/OFF
S/N	≥52dB		
White balance	AUTO		ON/OFF
Electronic shutter	1/50～1/100,000s		ON/OFF
Synchronous	internal		——
Day/night switch	auto/color/B/W/external control		——

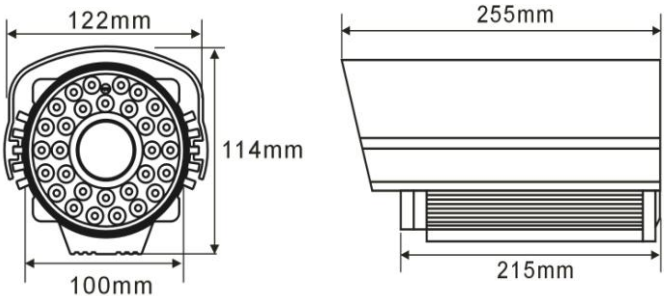
Lens	4-9mm		
IR distance	10-20m（**IR dome**）		
Video compression	H.264，MJPEG		
resolution	25 fps (1920×1080)	25fps (1280 ×960), 25fps (1280 ×720)	15fps (1600 ×1200), 25 fps (1280×720), 25 fps (800×600)
Video compression bit rate	32Kbps-8Mbps		
Audio compression	ADPCM、G711A、G711V、G726、AMR、AAC		
Audio sampling rate	8K、16Koptional		
Video adjustment	brightness、chroma、saturation、contrast、acutance adjusted via CMS software or IE web		
Network Protocol	TCP/IP、HTTP、DHCP、DDNS、PPPOE、FTP、SMTP、NTP、additive RTP/RTSP		
Security	User's name and password, MAC and IP binding		

Users authiorization	PTZ control、two way audio、manual recording、alarm control、parameter setting、network preview、process playback、journal review
Users capacity	Support 10 users，2ch video preview simultaneously
OSD	Display time,week,date,bit-rate,title
Privacy mask	4 areas max, black area displaying
Dual-stream	Different resolution and frame between main stream and substream
Audio	Support audio out and in
Video loss alarm	Alarm motion output, send e-mail
Motion detection	20 areas，sensitivity：0-9 degree selectable
Motion detection linkage	Alarm motion output, PC incident, recording, snap, FTP upload ,send email , e-map
Probe alarm	ON/OFF

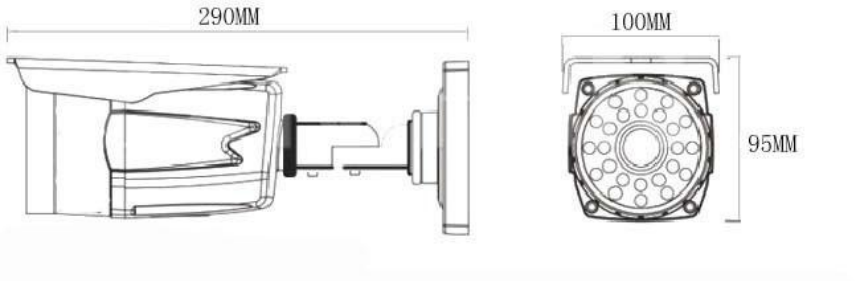
Probe alarm linkage	Alarm motion output, PC incident、 recording、 snap、 FTP upload ,send email , e-map
PTZ protocol	PELCO-D、PELCO-P
Storage	Support SD card, MAX 32G，timing recording, alarm recording, alarm snapshot
Universal function	Support PC time synchronization、remote upgrading、remote restart、remote reset and log book review
Alarm input	1channel
Alarm output	1channel
Audio input	1channel
Audio output	1channel
COM Port	1 RJ45 10M/100M ethernet
485 port	1
Power port	1

Reset port		1
Expanded function		WIFI、3G
Power supply		DC12V；AC24V；POE
Power consumption		<8W
Working temp		-10℃～+55℃
Working humidity		90%RH
System requirement		Operate system：Microsoft Windows XP Windows 7 Ultimate Edition / Professional；Windows 2003 Professional Edition/Enterprise Edition IE: Microsoft Internet Explorer 6.0、8.0
Dome camera	weight	Net weight：1.3KG、gross weight：1.7KG.
	dimension	Package dimension：16CM(L)x16CM(W)x16CM(H) 16pcs/box

Ⅲ IR Bullet camera dimension:



IR bullet dimension (1)



IR bullet dimension (2)

IR bullet specification：

type	1080P	960P	720P
Image sensor	1/3” Progressive scan CMOS		
Mini. illumination	0.01Lux(F1.2,AGC ON)	0.1Lux(F1.2,AGC ON)	1Lux(F1.2,AGC ON)
WDR	——	120dB	——
AGC	AUTO		ON/OFF
S/N	≥52dB		
White balance	AUTO		ON/OFF
Electronic shutter	1/50～1/100,000s		ON/OFF
Synchronous	internal		——

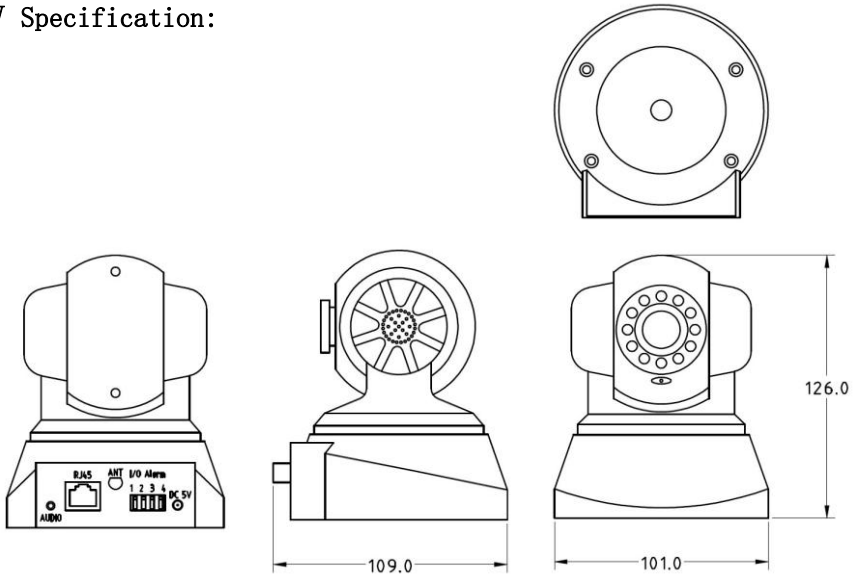
Day/night switch	auto/color/B/W/external control		——
Video compression	H.264，MJPEG		
resolution	25 fps (1920×1080)	25fps (1280 ×960), 25fps (1280 ×720)	15fps (1600 ×1200), 25 fps (1280×720), 25 fps (800×600)
Lens	4mm、6mm、8mm、12mm、16mm、4-9mm、5-15mm（dimension(2) cant install 4-9mm、5-15mm lens）		
IR Distance	Match with lens		
Video compression bit rate	32Kbps-8Mbps		
Audio compression	ADPCM、G711A、G711V、G726、AMR、AAC		
Audio sampling rate	8K、16Koptional		
Video adjustment	brightness、chroma、saturation、contrast、acutance adjusted via CMS software or IE web		
Network Protocol	TCP/IP、HTTP、DHCP、DDNS、PPPOE、FTP、SMTP、NTP、additive RTP/RTSP		
Security	User’s name and password, MAC and IP binding		

Users authiorization	PTZ control、two way audio、manual recording、alarm control、parameter setting、network preview、process playback、journal review
Users capacity	Support 10 users，2ch video preview simultaneously
OSD	Display time,week,date,bit-rate,title
Privacy mask	4 areas max, black area displaying
Dual-stream	Different resolution and frame between main stream and substream
Audio	Support audio out and in
Video loss alarm	Alarm motion output, send e-mail
Motion detection	20 areas，sensitivity：0-9 degree selectable
Motion detection linkage	Alarm motion output, PC incident, recording, snap, FTP upload ,send email , e-map
Probe alarm	ON/OFF

Probe alarm linkage	Alarm motion output, PC incident、 recording、snap、FTP upload ,send email , e-map
PTZ protocol	PELCO-D、PELCO-P
Storage	Support SD card, MAX 32G，timing recording, alarm recording, alarm snapshot
Universal function	Support PC time synchronization、remote upgrading、remote restart、remote reset and log book review
Alarm input	1channel
Alarm output	1channel
Audio input	1channel
Audio output	1channel
COM Port	1 RJ45 10M/100M ethernet
485 port	1
Power port	1

Reset port		1
Expanded function		WIFI、3G
Power supply		DC12V；AC24V；POE
Power consumption		<12W
Working temp		-10℃～+55℃
Working humidity		90%RH
System requirement		Operate system：Microsoft Windows XP Windows 7 Ultimate Edition / Professional；Windows 2003 Professional Edition/Enterprise Edition IE: Microsoft Internet Explorer 6.0、8.0
Dimension(1)	weight	Net weight：1.7KG、gross weight：2KG.
	dimension	Package dimension：32.5CM(L)x18CM(W)x17CM(H). 8pcs/box
Dimension(2)	weight	Net weight：1KG、gross weight：1.3KG.
	dimension	Package dimension：30CM(L)x16.5CM(W)x14CM(H). 8pcs/box

Ⅳ Specification:



Parameters:

Image	Sensor	1/4" CMOS sensor
	Resolution	1.0 MP
	Min.Illumination	0 Lux when IR is on
	Lens	f=3.6mm, F=2.0, IR lens
	IR_CUT	ICR True D/N
P/T	Pan	350°
	Tilt	100°
	Preset	32
	IR control	Auto/manual
	LED	10pcs 850nm IR illuminators, IR range 5m
Resolution	Bit rate	Main stream：1280×720，30fps； Sub stream：640×480，30fps Cell phone stream：320×240，30fps

Network	Video compression	H.264/JPEG
	Max Frame rate	30 f/s
	Main stream	90kbps ~ 2.048Mbps
	Sub stream	90kbps ~ 512kbps
	Picture rotation	Mirror/Flip
	OSD	Support
	Audio compression	G.711/G.726
	Protocols	TCP/IP、HTTP、RTSP、SMTP、FTP、DHCP、DDNS、UPNP、NTP
Advanced	Wi-Fi	802.11b/g/n
	Cell phone monitor	Support

Interface	Talkback	Support
	SD card storage	Support
	SD card download	Support
	Motion detection	4 areas settings
	Alarm notifications	Email/FTP/SD card storage/Send message to the server
	User authorization	3 levels
	Time/Date	Support
	Upgrade	Network update
	RJ-45	10Base-T/100base-TX
	SD card slot	Available
	Alarm input	1 CH

	Alarm output	1 CH
	Audio input	Build-in microphone, 1 audio input jack
	Audio output	1 audio output jack
General	Weight	358g
	Size	102mm*107mm*148mm
	Power supply	DC 5V
	Consumption	<6W
	Temperature	-20℃~ 50℃
	Humidity	10% ~ 80%
PC client	OS	Microsoft Windows XP/Vista/Window 7
	Browser	Internet Explorer6.0 above, Safari、Firefox.
	Client software	Free

Appendix C Packing list

The whole kit includes：

- ✧ 1 pc of network camera
- ✧ 1 pc of CD(Software)
- ✧ 1 pc of user manual
- ✧ 1 pc of certificate of quality

Warranty Card

1. 1 Year warranty from the day of shipment.
2. Please attach this card when you ship back the goods for replacement or repairing.
3. We also repair the over-due products, but we'll charge the cost fees according to the practical damage.
4. We don't accept and repair the returned products without the warranty card.
   Exception;
   - ★ Breakdown or damage caused by dismantling or modifying the device by the customer.
   - ★ Breakdown or damage caused by wrong power supply or natural disaster.
   - ★ By any other artificial reasons.

1、 Please fill the card and ship it together with the products.

2、 The freight should be paid when ship back.

QA Stamp

Information of vendor：（Filled by vendor）

Name ：_____

Address：_____

P.O：_____ Tel：_____

Date：_____

Stamp：_____

Information of user：（Filled by user）

Name：_____

Address：_____

P.O：_____Tel：_____

Checked by the user：_____

Signature：_____

Products repairing record：

Date	Malfunction and handling

rior notice will be given for any changes of products design and specifications